

## STATEMENT OF BASIS

as required by LAC 33:IX.2411, for draft Louisiana Pollutant Discharge Elimination System Permit No. LA0003204; AI 24733; PER19990002 to discharge to waters of the State of Louisiana as per LAC 33:IX.2311.

**The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:**

Louisiana Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

- |      |                          |  |
|------|--------------------------|--|
| I.   | <b>THE APPLICANT IS:</b> | Port of South Louisiana<br>Globalplex Intermodal Terminal<br>Post Office Box 909<br>LaPlace, LA 70069  |
| II.  | <b>PREPARED BY:</b>      | Todd Franklin  |
|      | <b>DATE PREPARED:</b>    | January 27, 2006   |
| III. | <b>PERMIT ACTION:</b>    | reissue LPDES permit <u>LA0003204</u> , AI <u>24733</u> ; <u>PER19990002</u><br><br>LPDES application received: December 20, 1999<br>Updated LPDES application received: June 28, 2002<br><br>EPA has not retained enforcement authority.<br><br>LWDPS permit issued: May 15, 1995<br>LWDPS permit expired: May 14, 2000 |

**IV. FACILITY INFORMATION:**

- A. The application is for the discharge of potentially contaminated stormwater and non-contact stormwater for a facility which provides terminal warehousing services to tenants who discharge via the Globalplex Intermodal Terminal.
- B. The facility is located at 155 West 10th Street in Reserve, St. John the Baptist Parish.
- C. Outfall 001
- Discharge Location: Latitude 30° 3' 16" North  
Longitude 90° 34' 0" West
- Description: potentially contaminated stormwater collected in surface impoundments which were previously used to treat wastewaters from a bottling company and sanitary wastewater. The impoundments are no longer used for this purpose.
- Expected Flow: <0.005 MGD
- Outfall 002
- Discharge Location: Latitude 30° 3' 37" North  
Longitude 90° 33' 44" West

Description: Non-contact Stormwater Runoff from construction area, warehouses and demolition area

Expected Flow: 0.038 MGD

Outfall 003

Discharge Location: Latitude 30° 3' 57" North  
Longitude 90° 33' 45" West

Description: Non-contact Stormwater Runoff from corn syrup rail unloading area and warehouse areas

Expected Flow: 0.112 MGD

Outfall 004

Discharge Location: Latitude 30° 3' 59" North  
Longitude 90° 34' 19" West

Description: Non-contact Stormwater Runoff from wood chip area and cement area

Expected Flow: 0.037 MGD

**V. RECEIVING WATERS:**

The discharge from Outfall 001 is into the Mississippi River in segment 070301 of the Mississippi River Basin. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 070301 of the Mississippi River Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Partial	Full	Full	Full	N/A	Full	N/A	N/A

<sup>1/</sup>The designated uses and degree of support for Segment 070301 of the Mississippi River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

The discharge from Outfall 002 and 003 is into an unnamed ditch; thence into Godchaux Canal; thence into an unnamed swamp; thence into Lake Maurepas. The discharge from Outfall 004 is into an unnamed ditch; thence into Dutch Bayou; thence into an unnamed swamp; thence into Lake Maurepas. These three discharges are into segment 040602 of the Lake Pontchartrain Basin. This segment is listed on the 303(d) list of impaired waterbodies.

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The designated uses and degree of support for Segment 040602 of the Lake Pontchartrain Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Partial	Insufficient Data	Full	Not Supported	N/A	N/A	N/A	N/A

<sup>1/</sup>The designated uses and degree of support for Segment 040602 of the Lake Pontchartrain Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

**VI. ENDANGERED SPECIES:**

The receiving waterbodies, Subsegment 070301 of the Mississippi River Basin and Subsegment 040602 of the Lake Pontchartrain Basin, are listed in Section II.2 of the Implementation Strategy in a letter dated October 21, 2005, from Watson (FWLS) to Gautreaux (LDEQ), as a habitat for the Pallid Sturgeon (070301) and the Gulf Sturgeon (040602), which are listed as an endangered and/or threatened species. No consultation is needed, as instructed in the March 22, 1996, Memorandum of Understanding (MOU) between LDEQ and FWLS, since this facility does not fall into one of the six criteria listed in the letter dated October 21, 2005.

**VII. HISTORIC SITES:**

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

**VIII. PUBLIC NOTICE:**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Todd Franklin  
Permits Division  
Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

**IX. PROPOSED PERMIT LIMITS:**

Subsegment 070301, Mississippi River-From Monte Santo Bayou to Head of Passes, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

Subsegment 040602, Lake Maurepas, is listed on LDEQ's Final 2004 303(d) List as impaired for pathogen indicators. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Lake Pontchartrain Basin, those suspected causes for impairment which are not directly attributed to the non-contact stormwater runoff point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated.

**Pathogen Indicators**

Outfalls 002, 003, and 004 consist solely of non-contact stormwater runoff. This type of discharge should not cause or contribute to the pathogen indicators impairment found in the subsegment; therefore, no specific requirements shall be placed into the permit to address this impairment.

**Final Effluent Limits:**

**OUTFALL 001**

As per LAC 33:IX.2707.L.2.a.ii., availability of information which was not available at the time of previous permit issuance and will justify the application of less stringent effluent limitations in the proposed permit constitutes an exception to LAC 33:IX.2707.L.1, which states when a permit is renewed or reissued standards or conditions must be at least as stringent as the final limitations, standards, or conditions in the previous permit. Outfall 001 of the previous permit contained limitations for treated combined sanitary wastewater and process wastewaters from a soft drink bottling operation and a hosiery manufacturer. However, these operations no longer exist at the facility. The impoundments that were used to treat this wastewater now only collect stormwater which is intermittently discharged through Outfall 001. Based on this information, the permit limitations shall be consistent with the current guidance on permitting stormwater runoff.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Daily Average	Daily Maximum	Basis
Total Organic Carbon (TOC)	---	---	50 mg/l	Permit limits are based on current guidance on permitting stormwater runoff.
Oil & Grease	---	---	15 mg/l	Permit limits are based on current guidance on permitting stormwater runoff.

**Other Effluent Limitations:****pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.2645.C.).

**OUTFALL 002**

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Daily Average	Daily Maximum	Basis
Total Organic Carbon (TOC)	---	---	50 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.
Oil & Grease	---	---	15 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.

**Other Effluent Limitations:****pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.2645.C.).

### OUTFALL 003

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Daily Average	Daily Maximum	Basis
Total Organic Carbon (TOC)	---	---	50 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.
Oil & Grease	---	---	15 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.

### Other Effluent Limitations:

#### pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.2645.C.).

### OUTFALL 004

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Daily Average	Daily Maximum	Basis
Total Organic Carbon (TOC)	---	---	50 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.
Oil & Grease	---	---	15 mg/l	Permit limits are based on current guidance on permitting stormwater runoff and are consistent with the previous permit.

**Other Effluent Limitations:**

**pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.2645.C.).

**X.**

**PREVIOUS PERMITS:**

**LWDPS Permit No. WP2380:** Issued: May 15, 1995  
 Expired: May 14, 2000

**Outfall 001**

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	Continuous	Recorder
BOD <sub>5</sub>	40 lb/day	63 lb/day	1/week	Grab
TSS	74 lb/day	133 lb/day	1/week	Grab
COD	304 lb/day	538 lb/day	1/week	Grab
Sulfide	0.5 lb/day	1.0 lb/day	1/week	Grab
Phenols	0.25 lb/day	0.5 lb/day	1/week	Grab
Total Chromium	0.25 lb/day	0.5 lb/day	1/week	Grab
Color	Report	Report	1/week	Grab
Oil & Grease	---	15 mg/l	1/week	Grab
Fecal Coliform CFU/100 ml	200	400	1/week	Grab
pH	Range (6.0 su -- 9.0 su)		1/week	Grab

**Outfall 101**

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/week	Estimate
Clarifying Agents Used	Report	Report	1/month	Inventory Calculation

**Outfall 002**

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/month	Estimate
TOC	---	50 mg/l	1/month	Grab
Oil & Grease	---	15 mg/l	1/month	Grab
pH	Range (6.0 su -- 9.0 su)		1/month	Grab

Outfall 003

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/month	Estimate
TOC	---	50 mg/l	1/month	Grab
Oil & Grease	---	15 mg/l	1/month	Grab
pH	Range (6.0 su – 9.0 su)		1/month	Grab

Outfall 004

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/month	Estimate
TOC	---	50 mg/l	1/month	Grab
Oil & Grease	---	15 mg/l	1/month	Grab
pH	Range (6.0 su – 9.0 su)		1/month	Grab

**XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:**

**A) Inspections**

A review of the files indicates that no recent inspections were performed for this facility. A telephone assessment was made on September 6, 2005, due to Hurricane Katrina. There was no damage due to the hurricane.

**B) Compliance and/or Administrative Orders**

A review of the files indicates that no recent enforcement actions have been administered against this facility.

**C) DMR Review**

A review of the discharge monitoring reports for the period beginning January 1, 2003, through February 28, 2005, has revealed the following violations:

<u>Parameter</u>	<u>Outfall</u>	<u>Period of Excursion</u>	<u>Permit Limit</u>	<u>Reported Quantity</u>
TSS, Monthly Avg.	001	January 2003	74 lbs/day	83.5 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	March 2003	40 lbs/day	55.4 lbs/day
TSS, Monthly Avg.	001	February 2004	74 lbs/day	111 lbs/day
TSS, Weekly Avg.	001	February 2004	133 lbs/day	256 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	June 2004	40 lbs/day	68.0 lbs/day
BOD <sub>5</sub> , Weekly Avg.	001	June 2004	63 lbs/day	117.2 lbs/day
COD, Weekly Avg.	001	June 2004	538 lbs/day	678.3 lbs/day
TSS, Monthly Avg.	001	June 2004	74 lbs/day	92.7 lbs/day
TSS, Weekly Avg.	001	June 2004	133 lbs/day	179.5 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	August 2004	40 lbs/day	65.6 lbs/day
BOD <sub>5</sub> , Weekly Avg.	001	August 2004	63 lbs/day	111.3 lbs/day
TSS, Monthly Avg.	001	August 2004	74 lbs/day	109.6 lbs/day
TSS, Weekly Avg.	001	August 2004	133 lbs/day	183.7 lbs/day



BOD <sub>5</sub> , Monthly Avg.	001	October 2004	40 lbs/day	72 lbs/day
BOD <sub>5</sub> , Weekly Avg.	001	October 2004	63 lbs/day	77 lbs/day
COD, Monthly Avg.	001	October 2004	304 lbs/day	349 lbs/day
TSS, Monthly Avg.	001	October 2004	74 lbs/day	161 lbs/day
TSS, Weekly Avg.	001	October 2004	133 lbs/day	177 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	December 2004	40 lbs/day	59 lbs/day
BOD <sub>5</sub> , Weekly Avg.	001	December 2004	63 lbs/day	84 lbs/day
COD, Monthly Avg.	001	December 2004	304 lbs/day	311 lbs/day
TSS, Monthly Avg.	001	December 2004	74 lbs/day	109 lbs/day

## XII. ADDITIONAL INFORMATION:

Please be aware that the Department will be conducting a TMDL in the Mississippi River Basin and the Lake Pontchartrain Basin scheduled for completion in 2011 and 2012, respectively. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions as a result of the TMDL. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The Monitoring Requirements, Sample Types, and Frequency of Sampling are as follows:

### Outfall 001

#### Effluent Characteristics

Flow  
TOC  
Oil & Grease  
pH

#### Monitoring Requirements

<u>Measurement</u>	<u>Sample</u>
<u>Frequency</u>	<u>Type</u>
1/month	Estimate
1/month	Grab
1/month	Grab
1/month	Grab

### Outfall 002

#### Effluent Characteristics

Flow  
TOC  
Oil & Grease  
pH

#### Monitoring Requirements

<u>Measurement</u>	<u>Sample</u>
<u>Frequency</u>	<u>Type</u>
1/month	Estimate
1/month	Grab
1/month	Grab
1/month	Grab

### Outfall 003

#### Effluent Characteristics

Flow  
TOC  
Oil & Grease  
pH

#### Monitoring Requirements

<u>Measurement</u>	<u>Sample</u>
<u>Frequency</u>	<u>Type</u>
1/month	Estimate
1/month	Grab
1/month	Grab
1/month	Grab

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Outfall 004

Effluent Characteristics

Monitoring Requirements

	<u>Measurement</u>	<u>Sample</u>
	<u>Frequency</u>	<u>Type</u>
Flow	1/month	Estimate
TOC	1/month	Grab
Oil & Grease	1/month	Grab
pH	1/month	Grab

**XIII**

**TENTATIVE DETERMINATION:**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

**XIV**

**REFERENCES:**

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Port of South Louisiana, Globalplex Intermodal Terminal, June 28, 2002.